

Comparison of Observed Mean Temperatures with those deduced from the Formula of
MAYER, BREWSTER, DAUBUISSON, and ATKINSON.

Places.	Latitude.	Height in feet.	Observed Mean Temperature.	Difference due to Elevation.	Obs. Mn. Temp. reduced to the sea level.	Mean Temp. by the Formulæ.	Difference between the calculated & observed Mean Temperature.
	°		°	°	°	°	°
Gazipur,	25.30	400	77.4	1.6	79.0	73.1	-5.9
Fattigurh,	27.20	600	75.6	2.4	78.0	71.6	-6.4
Seringapatam,	12.30	2412	77.1	9.2	86.3	80.6	-5.7
Nasirabad,	26.18	1487	76.0	5.5	81.5	72.5	-9.0
Delhi,	28.27	800	73.4	3.1	76.5	70.7	-5.8
Calcutta,	22.50	100	78.1	0.4	78.5	75.0	-3.5
Landour,	30.20	7000	56.7	24.5	81.2	69.1	-12.1

VI.—Longitude of Nasirabad by Lunar Transits and by Observations of Moon Culminating Stars.—By Lieut.-Col. THOMAS OLIVER.

By Lunar Transits.

Months.	Longitude.			Sums of Seconds.	Means.			
	H.	M.	S.		H.	M.	S.	
February 16th, 1831,	4	58	44	44	4	58	44	
Ditto 22nd,	59	10	114	..	..	57	
March 1st,	58	57	171	..	..	57	
Ditto 22nd,	59	12	243	..	..	61	
September 14th,	58	52	295	..	..	59	
Ditto 15th,	58	47	342	..	..	57	
November 12th,	59	21	423	..	..	60	
Ditto 13th,	59	05	488	..	..	61	
February 8th, 1832,	58	41	529	..	..	59	
Ditto 10th,	59	07	596	..	..	60	
March 9th,	59	12	668	..	..	61	
Ditto 10th,	59	00	728	..	..	61	
Ditto 12th,	59	00	788	..	..	61	
April 8th,	59	07	855	..	..	61	
May 7th,	59	29	944	..	..	63	
Ditto 9th,	58	50	994	..	..	62	
June 6th,	58	59	1053	..	..	62	
Ditto 7th,	58	49	1102	..	..	61	
October 1st,	58	50	1152	..	..	61	
November 1st,	59	09	1221	..	..	61	
Ditto 29th,	58	52	1273	..	..	61	
March 1st, 1833,	59	09	1342	..	..	61	
Ditto 28th,	59	05	1407	..	..	61	
Ditto 30th,	59	05	1472	..	..	61	
Ditto 31st,	59	04	1536	..	..	61	
April 28th,	58	57	1593	..	..	61	
Ditto 29th,	59	16	1669	..	..	62	
Ditto 30th,	59	18	1747	..	..	62	
Nvember 17th,	59	00	1807	..	..	62	
Ditto 19th,	58	42	1849	..	..	62	
Longitude by Lunar Transits,	=	4	59	02

By Moon Culminators.

Date.	Stars.	Intervals in Sidereal Time.		Longitude.			Sums of seconds multiplied by the No. of stars observed.	Means.		
		M.	S.	H.	M.	S.		H.	M.	S.
1834.										
Jan. 16th, ..	μ Piscium, ..	-43	48.47	4	58	56	56	4	58	56
Jan. 18th, ..	ξ Ceti,	+ 4	16.09	..	..	52	160	..	..	53
	.....	-27	30.16							
Jan. 19th, ..	μ Ceti,	+20	33.68							
	λ	+ 5	42.92	..	..	60	340	..	..	57
	f Tauri,....	-25	10.92							
Feb. 18th, ..	i Tauri,....	+20	10.62							
	H Gem.	-40	40.58	..	..	64	532	..	..	59
	η	-51	30.34							
March 16th,	α Tauri,	-28	13.52	..	..	48	580	.	..	58
March 17th,	α Tauri,	+24	59.84							
	ξ	-36	19.96	..	..	65	775	..	..	60
	C	-51	30.38							
March 19th,	μ Gem.	+34	56.58							
	ϵ	+14	08.40	..	..	64	967	..	..	60
	β	-47	17.70							
March 20th,	β Gem.	+14	41.18							
	δ Cancr,....	-45	24.46	..	..	56	1079	..	..	60
April, 18th,..	ξ Cancr,....	+28	27.10							
	α Leonis, ..	-31	16.12	..	..	44	1211	..	..	58
	γ	-42	33.64							
April 19th, ..	α Leonis, ..	+28	07.98							
	γ	+16	50.40	..	..	69	1418	..	..	59
	σ	-41	55.32							
May 17th, ..	ρ Leonis,....	+39	41.06							
	χ	+ 7	17.52	..	..	75	1718	..	..	61
	γ Virg.	-33	35.14							
	π	-48	37.70							
May 18th, ..	ν Virg.....	+22	03.22							
	π	+ 7	00.62	..	..	67	1986	..	..	62
	γ	-33	53.12							
	δ	-47	52.56							

Longitude by Moon Culminators,..... = 4 59 02

The exact agreement of the two is of course a mere chance: I think it right however to mention that I have inserted the whole of my observations, and not a selection from them.

VII.—Proceedings of the Asiatic Society.

Wednesday Evening, the 14th January 1835.

The Reverend W. H. MILL, D. D. Vice-President, in the Chair.

After reading the Proceedings of the last Meeting, the Meeting passed to the Ballot for the Office-bearers of the ensuing year, when the Lord Bishop, the Rev. Dr. MILL, Sir J. P. GRANT, and Mr. W. H. MACNAGHTEN were elected Vice-Presidents; and the Members composing the Committee of Papers last year were unanimously re-elected.